

What is claimed is:

1. A roaster for seasoning marine algae, comprising:

a main body comprised of an supplying unit formed to add raw material into an upper part thereof and an opening unit capable of slidingly

5 and horizontally inserting a container into a lower part thereof;

a roasting container formed onto an inner, upper part of the main body and configured to discharge downward the raw material through a discharging gate after keeping the raw material sealed for a predetermined time;

10 a cooking oil feeder formed in a side of the roasting container to automatically supply a fixed quantity of cooking oil for the raw material added therein to easily be agitated without rubbing;

a heater for heating the roasting container at an established temperature for the predetermined time;

15 a roasting agitator configured for both ends of a pivotal pole thereof to be supportably placed across the roaster to rotate and for agitating a collected raw material to equally be heated in the roaster rotated at a fixed velocity for the predetermined time with a power transmission attached thereto;

20 a shutter rotating clockwise and counter-clockwise with a separate power transmission at a fixed angle for the discharging gate to stay open for a predetermined time after sealing the discharging gate of the roaster for a fixed time;

a collection cooking container for collecting a class of condiments including various kinds of seasoning, sesame oil, and flavor each selectively dispersed from a plurality of condiment containers as well as for receiving a firstly processed raw material collected through the opening unit of the main
5 body and discharged through the discharging gate of the roaster;

a condiment collection unit to store a class of condiments including various kinds of seasoning, sesame oil, and flavor, and to detachably collect a plurality of condiment containers for selectively providing a certain amount of seasoning necessary into the collection cooking container;

10 a cooking agitator configured for both ends of a pivotal pole thereof to be supportably placed across the collection cooking container and coupled thereon to rotate at a fixed rate with a separate power transmission such that the processed material collected into the collection cooking container can be uniformly mixed with the class of condiments and each
15 wing of the second agitator can be positioned in upper direction at the completion of the process by each wing of the second agitator being arranged at least at a certain angle toward a horizontal plane to be easily released without the collection cooking container's being interrupted when it is necessary for the collection cooking container to be released; and

20 a controlling unit electrically connected to each member above to control each operation in sequence.

2. The roaster for seasoning marine algae in accordance with claim 1, wherein a guide rail is installed in both sides of the inner part of the opening unit in the main body to guide the collection cooking container when the collection cooking container is inserted and released.

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3. The roaster for seasoning marine algae in accordance with claim 1 or claim 2, wherein a sensor is mounted on a rear side of an inner part of the opening unit to detect whether or not insertion is stably performed when inserting the collection cooking container.

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4. The roaster for seasoning marine algae in accordance with claim 1, wherein the roasting agitator is comprised of a pair of at least two wings, each wing including a wing body and a wing member, the wing member coupled with one end of the wing body, extended in a longitudinal direction to the pivotal pole, and formed to have a twist at one end facing one end of the other wing member, the wing body extendedly arranged by direction of a radius from the pivotal pole with maintaining 180 degree of an interval angle to the other.

15 5. The roaster for seasoning marine algae in accordance with claim 1, the shutter further comprising:

a sealing plate to cover the discharging gate incised in a predetermined width in a longitudinal direction to the roaster;

a pivotal pole formed in a longitudinal direction on a one side of the sealing plate, the pivotal pole having both ends pivotally coupled to the main body such that the sealing plate circles at a predetermined angle;

a pair of light sensors to perceive a rotating position of the pivotal pole, each sensor attached around the pivotal pole to one wall of the main body supporting the pivotal pole;

a light isolating pole circulating with the pivotal pole to prevent each light sensor radiating and receiving the light, positioned at one end of the pivotal pole in the one wall of the main body with the light sensor attached thereto.

6. The roaster for seasoning marine algae in accordance with claim 1, wherein the collection cooking container is made of transparent synthetic resin for a mixing and cooking process to be checked outside by an operator.

7. The roaster for seasoning marine algae in accordance with claim 1, wherein the cooking agitator is comprised of a pair of at least two wings, each wing including a wing body and a wing member, the wing member coupled with one end of the wing body, extended in a longitudinal direction to the pivotal pole, and formed to have a twist at one end facing one end of the other wing member, the wing body extendedly arranged by direction of a

radius from the pivotal pole with maintaining 178 degree of an interval angle to the other.